

CLAIMS

1. (Currently Amended) A sound diffuser with low frequency sound absorption, comprising:

a) a non-sound absorbing body having a front surface configured to diffuse sound waves, and a rear surface; and

b) means permitting sound waves to travel from said front surface to said rear surface through said body and sound absorbing means on said rear surface of said body for absorbing sound waves below a desired cut-off frequency.

*for diffusing and absorbing sound waves.  
some of said  
others of said*

2. (Original) The invention of Claim 1, wherein said front surface includes a plurality of divided or non-divided parallel wells.

3. (Original) The invention of Claim 1, wherein said front surface includes a two-dimensional pattern of geometrical or irregular shape chosen from the group consisting of cylindrical, conical, pyramidal, polygonal or rectangular.

4. (Original) The invention of Claim 3, wherein said shapes are separated by slots or holes.

5. (Previously Amended) The invention of Claim 4, wherein said permitting means comprises said slots or holes.